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**SIDDHANT DESHMUKH­**

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**Education**

**Master of Science in Computer Science Aug 2015-Dec 2016** University of Florida, Gainesville, Florida, USA  **4.0/4.0 GPA**

**Experience**

**VMWARE - Senior Member of Technical Staff - Uhana Platform Team - Palo Alto, California June 2021-Present**

* Designed and implemented the TCP Distributor services used in nationwide production. Successfully

**filed for a patent** as the primary owner. Major reason for biggest **customer contract renewal**.

* Owned and maintained **30+ services** as part of the Uhana Data ingestion and distribution engine

Which is around **50% of the Uhana platform**.

* Instrumental in moving the [Uhana](https://www.vmware.com/products/uhana.html) platform from Mesos/Marathon to **Kubernetes/Helm**.
* **Setup logging infra** using Elasticsearch, Logstash, Kibana and Filebeat for the Uhana platform.
* Key work on build/deployment/devops and resolved multiple customer production issues.

**VMWARE - Member of Technical Staff 3 - Uhana Platform Team - Palo Alto, California Aug 2019-June 2021**

* Enhance the [uhana](https://www.vmware.com/products/uhana.html) real-time streaming platform. Owner of data ingestion and distribution engine.

**INFORMATICA - Software Engineer - Cloud Platform Team - Redwood City, California Feb 2017-Aug 2019**

* Enhanced the [Informatica Cloud Platform](https://www.informatica.com/products/cloud-integration.html#fbid=SIPQ4DvQI3j) by creating and enhancing micro-services
* Owner of V3API (Informatica Cloud latest [public APIs](https://marketplace.informatica.com/community/technology_partner_network/apiary_v3)) and PC2Cloud (service to help customers

migrate from legacy PowerCenter to Informatica Cloud) micro-services

* High impact client-side agent changes to support enabling and disabling applications deployed.

**INFORMATICA - Software Development Intern - Cloud Platform Team - Redwood City, California May-Aug 2016**

* Enhanced Informatica Cloud API by adding features such as partial update of resources (Java, MySQL)

**Skills**

**Programming - Java**, **Python**, JavaScript, GoLang, C++, Scala, R, NodeJS, HTML, CSS

**Database - Cassandra**, **Oracle SQL**, **MySQL**, MongoDB, Postgresql

**Tools & Frameworks** – **Kubernetes**, **Docker**, **Bazel**, **Spring**, **REST APIs**, **Git**, **Kafka**, Chef, Perforce, HAProxy,

Jenkins, Marathon, Mesos, Network Security, Google Protobuf, Prometheus, Grafana, Flink

**Projects**

**CRIC PLATFORM –** Data pipeline for network pmcounter data processing, storage and distribution **Aug 2019-Present**

* Created the CRIC platform from scratch (Java, GoLang, Kafka, Cassandra)

**TCP DISTRIBUTOR -** Services to distribute large scale network telemetry data to multiple clients **Aug 2019-Present**

* Filter, Process and distribute data from cell towers to multiple clients in real-time at 10 million events/s.

**PC2CLOUD SERVICE -** Service to convert customer on-premisemetadata to cloud **Feb 2017-Aug 2019**

* Designed and developed this critical service to help customers move to Informatica Cloud (Java)
* As service owner, handled all aspects such as production, customer and deployment related issues
* Hosted a booth at [Informatica World](https://video.informatica.com/disruptintelligently) to meet and educate customers using this product

**V3-API SERVICE -** [Informatica public APIs](https://marketplace.informatica.com/community/technology_partner_network/apiary_v3) accessible to customers **Feb 2017-Present**

* As service owner, played a part in designing and developing latest Informatica public APIs (Java)

**AKAMAI CDN WITH FALLBACK -** Integrated the Informatica Cloud UI with Akamai CDN **Jan-May 2018**

* Enhanced Informatica UI to use CDN for static resources and fallback to local on failure (JavaScript)

**SECURE FACEBOOK REST API -** Implemented [API and client simulator](https://github.com/siddhantd28/Facebook-REST-API).  **Oct-Dec 2015**

* Implemented core features of Facebook API and added modern cryptographic methods (AES-256, RSA)

**Research**

**MOBILE MONEY MONITORING MACHINE -** Research Project in Network Security Lab **Aug-Dec 2016**

* Automate security analysis for mobile money applications (Android, Python, MongoDB)

**RESEARCH PAPER -** Efficient and Secure Template Blinding for Biometric Authentication  **Jan-Aug 2016**

* Developed blinding protocols that provide template protection to database. [IEEE CNS Research Paper](https://ieeexplore.ieee.org/abstract/document/7860539)